

AI engineering and systems integration for government and enterprise.

CORE CAPABILITIES

- **AI Engineering** — applied LLM systems, document intelligence, agentic pipelines, retrieval-augmented generation, and human-certified validation.
- **Healthcare Interoperability (focus area)** — standards-based delivery on HL7 FHIR and Da Vinci Implementation Guides toward CMS-0057-F prior-authorization compliance and payer/provider API development.
- **Enterprise Integration** — 10+ years full-lifecycle SAP XI/PI/PO/CPI enterprise integration; high-volume, high-compliance interfaces.
- **Infrastructure & Cloud** — enterprise Linux (RHEL) administration, AWS, Ansible/Puppet automation, identity management (IdM), and security hardening.

DIFFERENTIATORS

- **Standards-first delivery.** FHIR, OAuth2, HIPAA safeguards, NIST-aligned practice.
- **AI with accountability.** Machine-accelerated pipelines, human-certified outputs, full audit trails.
- **Senior-only engagement.** Principal-level engineering on every task — no bench, no hand-offs.
- **Micro-business agility.** Direct-buy eligible; strengthens prime teams' small/diverse participation.

SELECTED WORK — BUILT & OPERATED BY OUR PRINCIPALS

- **Secure distributed system (~100K-line Rust).** Encrypted P2P messaging, canonical serialization, cryptographic integrity, JSON-RPC API, 1,300+ tests, CI/CD — live multi-node network.
- **Tamper-evident audit platform.** Packaged security product (public .deb/.rpm repos) with SHA-256 hash-chained audit logging and SIEM export.
- **Audited LLM agent platform (~187K-line Rust).** Agentic tool execution with full audit trail, reward-based learning, and OS-level sandboxing.
- **Published consumer apps.** Live on the Apple App Store and Google Play, operated in production.

COMPANY DATA

OMEGACORTEX LLC
Sammamish, Washington
UBI: 606016348
EIN: 42-3943341
Structure: WA Limited Liability Company
Founded: 2025

Washington Self-Certified Micro Business
WEBS Registered Vendor (all WA counties)
OMWBE minority-owned: application in process
ITPS 08215: enrollment in process

COMMODITY / SERVICE CODES

NAICS CODES (FEDERAL)

541511	Custom Computer Programming Services
541512	Computer Systems Design Services
541513	Computer Facilities Management Services
541519	Other Computer Related Services
541611	Admin & General Mgmt Consulting
518210	Data Processing, Hosting & Related

NIGP CODES (WA STATE)

918-71	IT Consulting
918-82	Scientific/Technical Consulting
918-90	Strategic Technology Planning
918-95	Telecommunications Consulting
920-05	Cloud Computing Services
920-37	Networking Services (incl. Security)
920-40	Computer Programming Services
920-64	System Implementation & Engineering
920-66	System/Network/DB Administration
920-75	Technical Writing & Documentation, IT
915-51	Internet/Web Electronic Services

LEADERSHIP

Ivan Lozada, Principal — 25 years in enterprise IT; 14+ years operating mission-critical Linux/Unix infrastructure at Costco Wholesale; prior: BBVA Compass, Iron Mountain, CANTV. RHCSA, IBM, ITIL certified. Bilingual: English/Spanish.

Antonio Lozada, Integration Practice Lead — 10+ years of full-lifecycle SAP PI/PO and CPI/BTP Integration Suite enterprise integration. Currently supports the firm as a contractor; commits exclusively to OMEGACORTEX upon contract award.

HOW WE ENGAGE

Assessments · design & implementation · staff augmentation · subcontracting to prime contractors.